

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

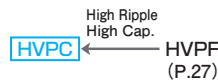
# HVPC Series

125°C Long Life

High Ripple Current  
High Capacitance



- 125°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



## Specifications

Items	Condition	Specifications	
Rated voltage (V)	—	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	—	-55 to +125	
Capacitance tolerance (%)	120Hz/20°C	M : ±20	
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.16	0.14
Leakage current (LC)	μA/after 2minutes (max.)	0.01CV	
Endurance	125°C, 4,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value
		tanδ	Less than 200% of the specified value
		ESR	Less than 200% of the specified value
		LC	Less than the specified value

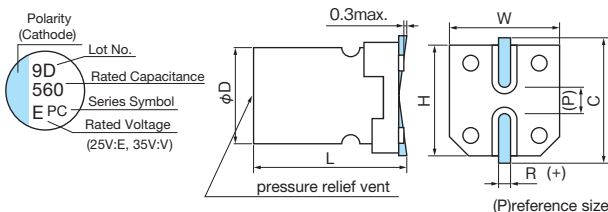
Soldering Condition  
Reflow Soldering  
Condition  
Ripple Current Frequency  
Coefficient

- HVA
- HVBF
- HVH
- HVP
- HVT
- HVJ
- HVHZ
- HVPZ
- HVHF
- HVPF
- HVPX
- HVTX

**NEW** HVPY  
**NEW** HVTY

- HVPC
- HEHZ
- HEPZ
- HEHF
- HEPF

## Marking, Dimensions



(Unit : mm)

D±0.5	L±0.3	W±0.2	H±0.2	C±0.2	R	P
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

## Size, ESR, Rated Ripple Current

μF \ V	25			35		
180				8×10.5	33	1950
270	8×10.5	33	1950			
330				10×10.5	24	2800
390				10×12.5	20	3000
470	10×10.5	24	2800			
560	10×12.5	20	3000			

Please refer to page 17 for ripple current frequency coefficients.

Case size: φDxL(mm)

Rated ripple current  
mA rms (100kHz, 125°C)

ESR(mΩ) max. at 100kHz, 20°C

## Part number

